Cp Reghunadhan Nair

List of Publications by Year
in descending order

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Version: 2024-02-01

56 papers	1,725 citations	279798 23 h-index	276875 41 g-index
56 all docs	56 docs citations	56 times ranked	1370 citing authors

#	Article	IF	Citations
1	Synthetic applications of click chemistry in thermosetting block and graft polymers. , 2022, , 931-952.		3
2	Thermosetting polymer based syntactic foams: an overview. , 2022, , 801-832.		3
3	Maleimide based Alder-ene thermosets: recent advances. , 2022, , 619-657.		0
4	Room temperature processable heatâ€resistant epoxyâ€oxazolidoneâ€based syntactic foams. Polymers for Advanced Technologies, 2018, 29, 121-129.	3.2	10
5	Polyphthalonitrile resins and their high-end applications. , 2018, , 577-619.		6
6	H-bonded polytriazoles: Synthesis and thermoresponsive shape memory properties. European Polymer Journal, 2017, 91, 176-186.	5.4	5
7	Alder-ene polymers derived from allyl aralkyl phenolic resin and bismaleimides: carbon fiber composites properties. Polymers for Advanced Technologies, 2016, 27, 984-992.	3.2	14
8	Click polymerizations: Encouraging route for shape memory polymers. Materials Letters, 2016, 172, 216-221.	2.6	19
9	Polybutadiene crosslinked by 1,3-dipolar cycloaddition: Pyrolysis mechanism, DFT studies and propellant burning rate characteristics. Combustion and Flame, 2016, 167, 380-391.	5.2	11
10	Polyether triazoles: An effective binder for â€˜greenâ€™ gas generator solid propellants. Polymer, 2016, 92, 201-209.	3.8	22
11	Mechanistic and kinetic aspects of the curing of phthalonitrile monomers in the presence of propargyl groups. Polymer, 2015, 60, 308-317.	3.8	56
12	One-component novel allylâ€“maleimide Alder ene resins: synthesis, curing, and thermal properties. Designed Monomers and Polymers, 2015, 18, 210-221.	1.6	3
13	One component propargyl phthalonitrile novolac: Synthesis and characterization. European Polymer Journal, 2015, 71, 389-400.	5.4	38
14	End-functionalized thermoplastic-toughened phthalonitrile composites: influence on cure reaction and mechanical and thermal properties. Polymer International, 2015, 64, 146-153.	3.1	40
15	Polybenzoxazineâ€“new generation phenolics. , 2014, , 45-73.		9
16	Maleimide-Based Alder-Enes. , 2014, , 459-510.		11
17	Syntactic Foams. , 2014, , 511-554.		15
18	Hydroxyl terminated PEEK-toughened epoxyâ€“amino novolac phthalonitrile blends â€“ Synthesis, cure studies and adhesive properties. Polymer, 2014, 55, 6006-6016.	3.8	41

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19	Polytriazole-based shape memory composite by Huisgen 1, 3 dipolar polycycloaddition reaction. Materials Letters, 2014, 137, 315-318.	2.6	9
20	High transition temperature shape memory polymers (SMPs) by telechelic oligomer approach. Reactive and Functional Polymers, 2014, 78, 7-13.	4.1	39
21	Progress in shape memory epoxy resins. Reactive and Functional Polymers, 2013, 73, 421-430.	4.1	148
22	Shape Memory Polymers (SMPs) derived from phenolic cross-linked epoxy resin via click chemistry. Materials Letters, 2013, 99, 101-104.	2.6	28
23	Shape memory polymers based on cyanate ester-epoxy-poly (tetramethyleneoxide) co-reacted system. European Polymer Journal, 2012, 48, 499-511.	5.4	81
24	Effect of nanoclay on the mechanical, dynamic mechanical and thermal properties of cyanate ester syntactic foams. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5435-5443.	5.6	80
25	On the Processing and Compressive Properties of Cellular Foams of Cyanate Ester. Frontiers in Forests and Global Change, 2009, 28, 193-205.	1.1	4
26	Bismaleimide Modified Epoxy-Diallylbisphenol System â€“ Effect of Bismaleimide Nature on Properties. Polymers and Polymer Composites, 2009, 17, 141-149.	1.9	1
27	Investigations on the cure chemistry and polymer properties of benzoxazineâ€“cyanate ester blends. European Polymer Journal, 2009, 45, 494-502.	5.4	134
28	Tensile and Flexural Properties of Glass-Fibre-Reinforced Cyanate Ester Syntactic Foams. Polymers and Polymer Composites, 2008, 16, 431-438.	1.9	10
29	Low-Density Phenolic Syntactic Foams: Processing and Properties. Frontiers in Forests and Global Change, 2007, 26, 229-244.	1.1	17
30	Benzoxazineâ€“bismaleimide blends: Curing and thermal properties. European Polymer Journal, 2007, 43, 5084-5096.	5.4	105
31	Bis allyl benzoxazine: Synthesis, polymerisation and polymer properties. European Polymer Journal, 2007, 43, 2504-2514.	5.4	113
32	Poly(urethaneâ€“oxazolidone): Synthesis, characterisation and shape memory properties. European Polymer Journal, 2007, 43, 3629-3637.	5.4	34
33	Rheokinetic investigations on the thermal polymerization of benzoxazine monomer. Thermochimica Acta, 2006, 441, 150-155.	2.7	44
34	Effect of oxalic acid on the rheological properties of dope solution of poly[acrylonitrile-co-(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	6
35	High char-yielding poly[acrylonitrile-co -(itaconic acid)-co -(methyl acrylate)]: synthesis and properties. Polymer International, 2005, 54, 1110-1118.	3.1	43
36	Comparative Rheological Properties of Dope Solutions of High Molar-Mass Poly(acrylonitrile-co-itaconic acid) and Poly(acrylonitrile-co-methylacrylate-co-itaconic acid). Polymers and Polymer Composites, 2004, 12, 667-677.	1.9	2

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37	Dual-Cure Propargyl Novolac-Epoxy Resins: Synthesis and Properties. Polymers and Polymer Composites, 2004, 12, 43-53.	1.9	3
38	Phosphazene-Triazine Polymers by Alder-ene Reaction. Polymers and Polymer Composites, 2004, 12, 55-62.	1.9	4
39	Rheological cure characterization of phosphazene-triazine polymers. Journal of Applied Polymer Science, 2003, 88, 908-914.	2.6	16
40	Copolymerization of acrylonitrile with itaconic acid in dimethylformamide: effect of triethylamine. European Polymer Journal, 2003, 39, 537-544.	5.4	43
41	Dilute solution viscosity properties of high molar mass poly(acrylonitrile-co-itaconic acid). Polymer International, 2003, 52, 1519-1526.	3.1	13
42	Dual Cure Phenol - Epoxy Resins: Characterisation and Properties. Polymers and Polymer Composites, 2003, 11, 551-558.	1.9	10
43	High-Temperature Adhesives Based on Alder-ene Reaction of Diallyl Bisphenol a Novolac and Bismaleimide: Effect of BMI Structure and Novolac Molar Mass. Polymers and Polymer Composites, 2003, 11, 311-320.	1.9	7
44	Cyclomatrix Phosphazene Polymers via Alder-ene Reactions. Polymers and Polymer Composites, 2002, 10, 457-466.	1.9	2
45	Addition curable phenolic resins based on ethynyl phenyl azo functional novolac. Polymer, 2002, 43, 2609-2617.	3.8	28
46	Thermal decomposition characteristics of Alder-ene adduct of diallyl bisphenol A novolac with bismaleimide: effect of stoichiometry, novolac molar mass and bismaleimide structure. European Polymer Journal, 2002, 38, 503-510.	5.4	35
47	Solvent and kinetic penultimate unit effects in the copolymerization of acrylonitrile with itaconic acid. European Polymer Journal, 2002, 38, 2003-2010.	5.4	42
48	Kinetics of Zinc Octoate/Nonylphenol Catalysed Thermal Cure of Bisphenol a Dicyanate. Polymers and Polymer Composites, 2001, 9, 531-539.	1.9	12
49	Kinetics of Alder-ene reaction of Tris(2-allylphenoxy)triphenoxycyclotriphosphazene and bismaleimides â€" a DSC study. Thermochimica Acta, 2001, 374, 159-169.	2.7	62
50	Thermal characteristics of addition-cure phenolic resins. Polymer Degradation and Stability, 2001, 73, 251-257.	5.8	73
51	Imido-phenolic-triazine network polymers derived from maleimide-functional novolac. European Polymer Journal, 2001, 37, 315-321.	5.4	14
52	Pendant cyanate functional vinyl polymers and imido-phenolic-triazines thereof: synthesis and thermal properties. European Polymer Journal, 2000, 36, 1195-1208.	5.4	20
53	Differential scanning calorimetric study on the Claisen rearrangement and thermal polymerisation of diallyl ether of bisphenols. Thermochimica Acta, 2000, 359, 61-67.	2.7	33
54	Effects of solvent and temperature on the copolymerizations of 2-acryloyloxyethyl diethyl phosphate with methyl methacrylate and styrene. European Polymer Journal, 1989, 25, 251-257.	5.4	19

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55	Flame and thermal resistance of phosphorus-functionalized poly(methyl methacrylate) and polystyrene. Polymer Degradation and Stability, 1989, 26, 305-331.	5.8	85
56	Phenolic syntactic foams: Low-density composites for structural and thermostructural applications. Frontiers in Forests and Global Change, 0, , 026248932211011.	1.1	0